

**FIG. 1**

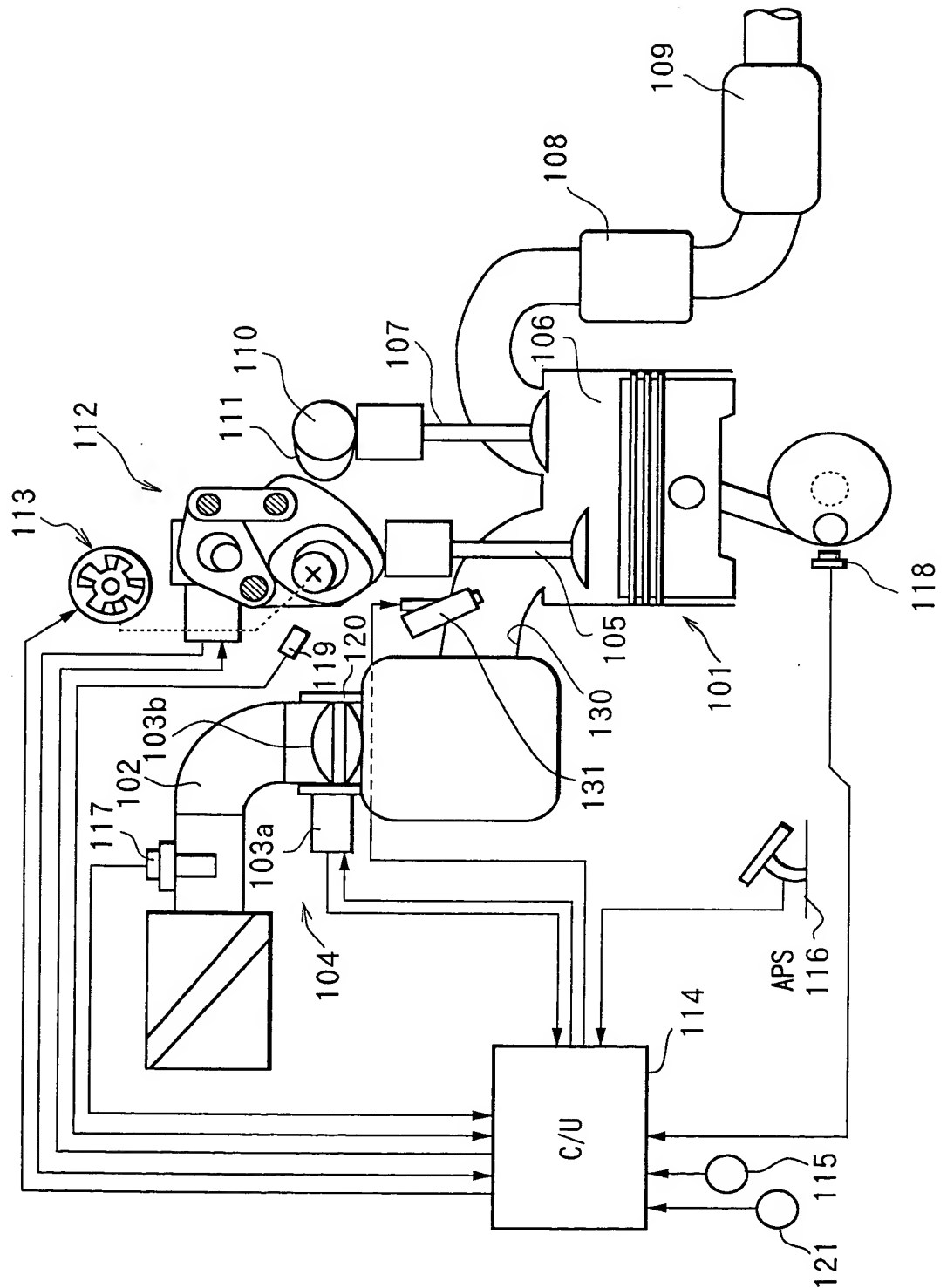


FIG.2

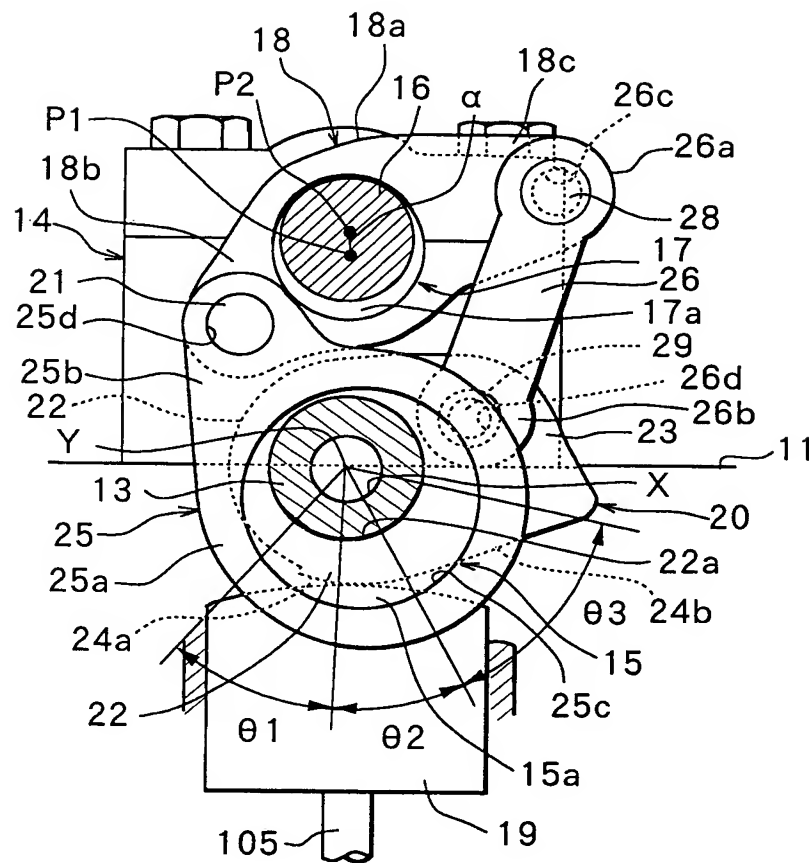


FIG.3

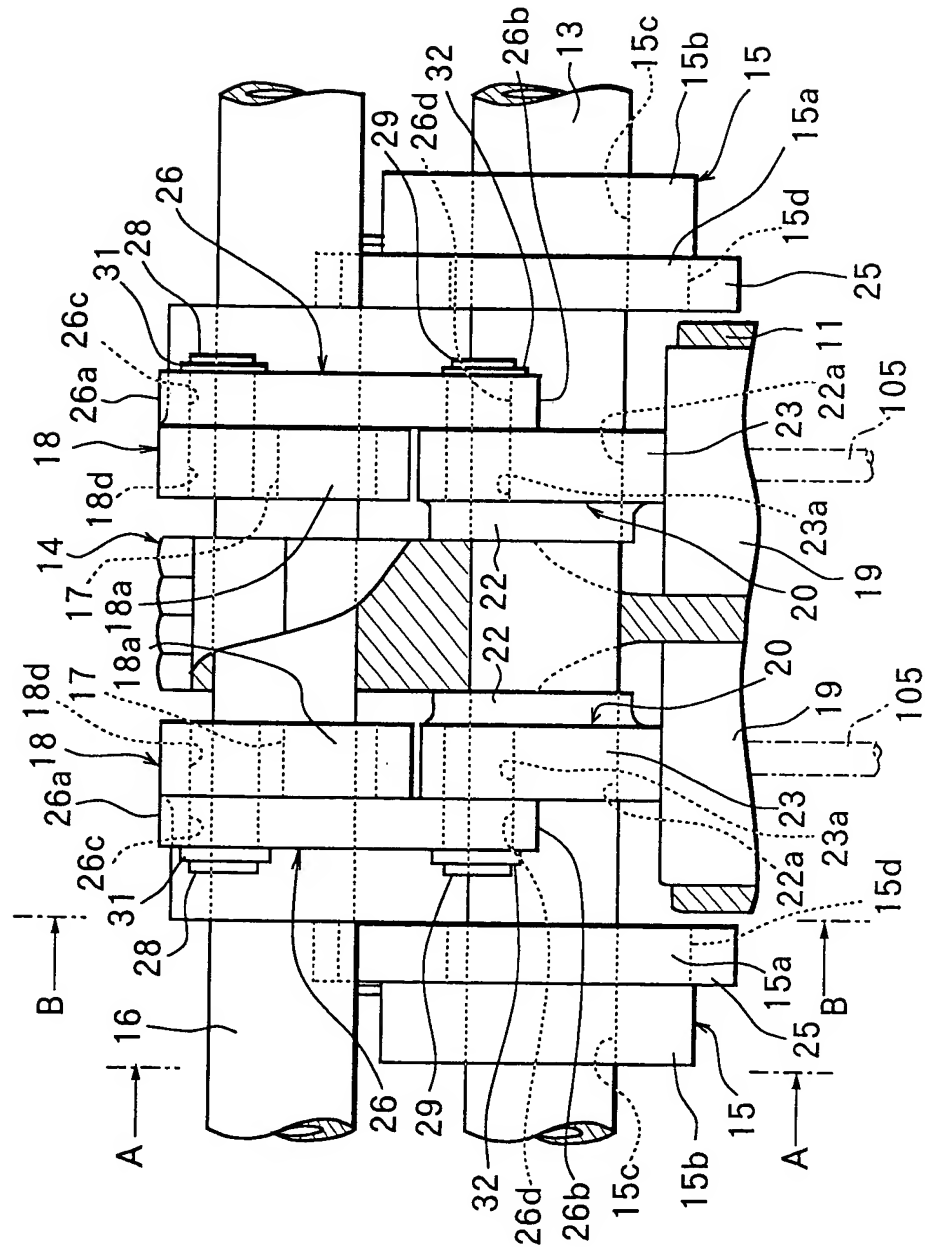


FIG.4

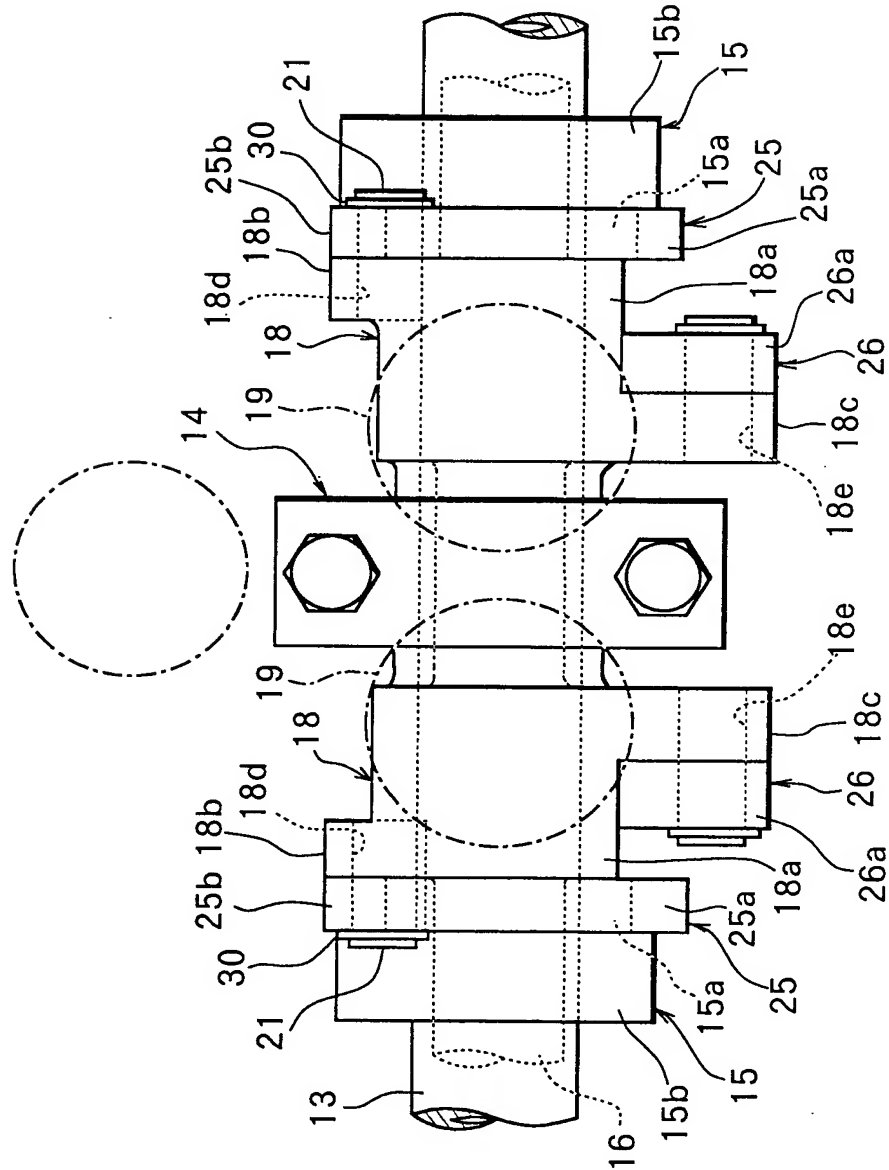
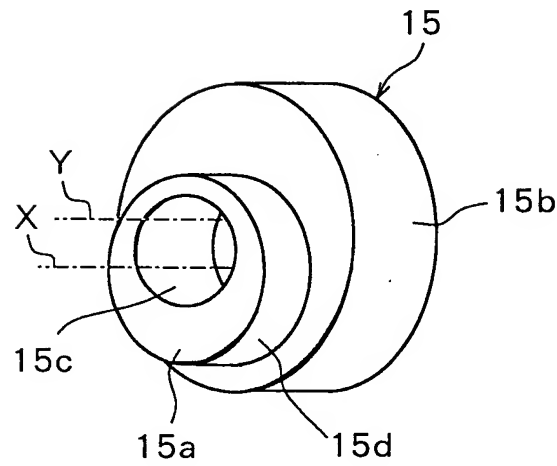


FIG.5



**FIG. 6**

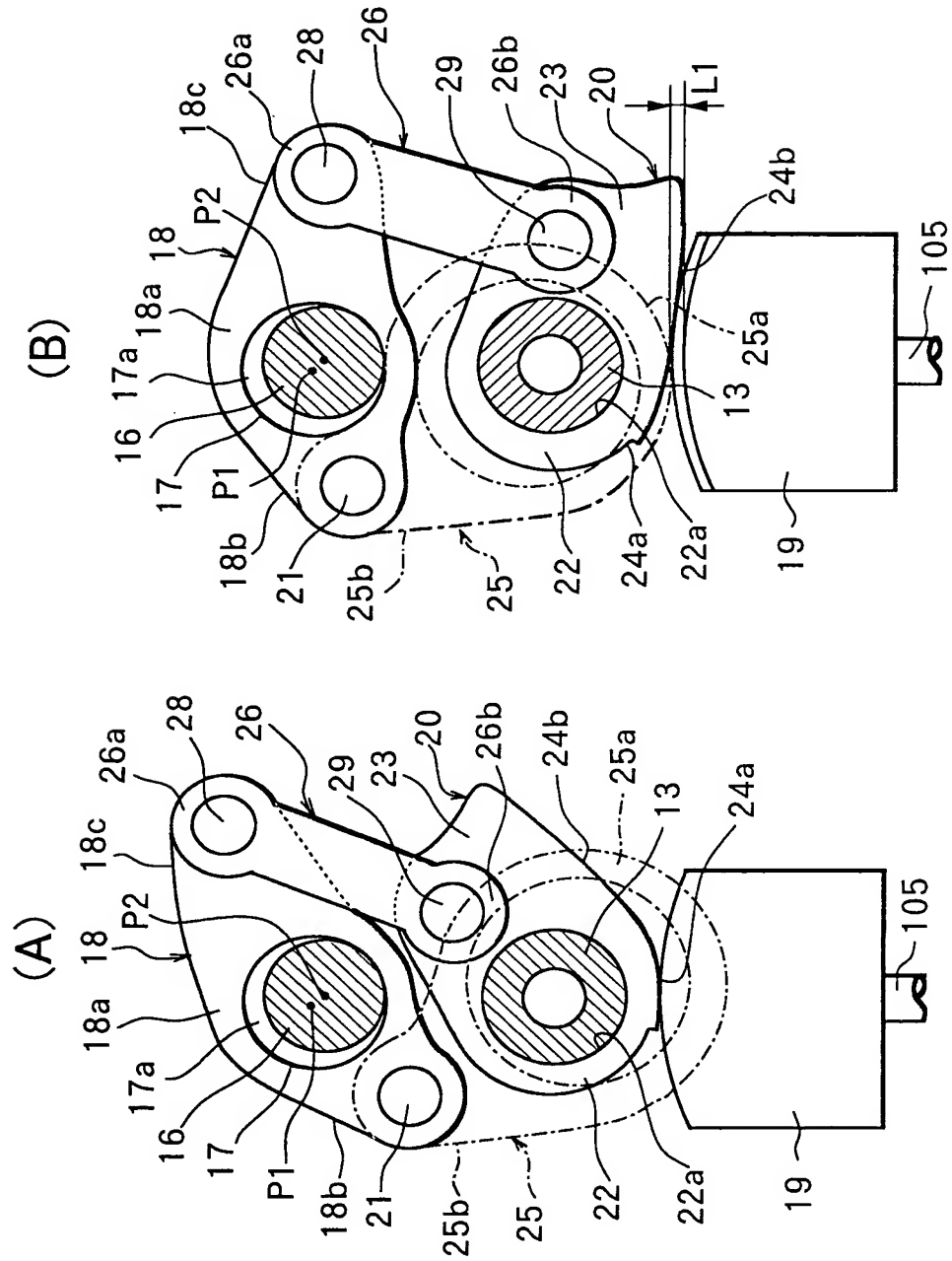


FIG. 7

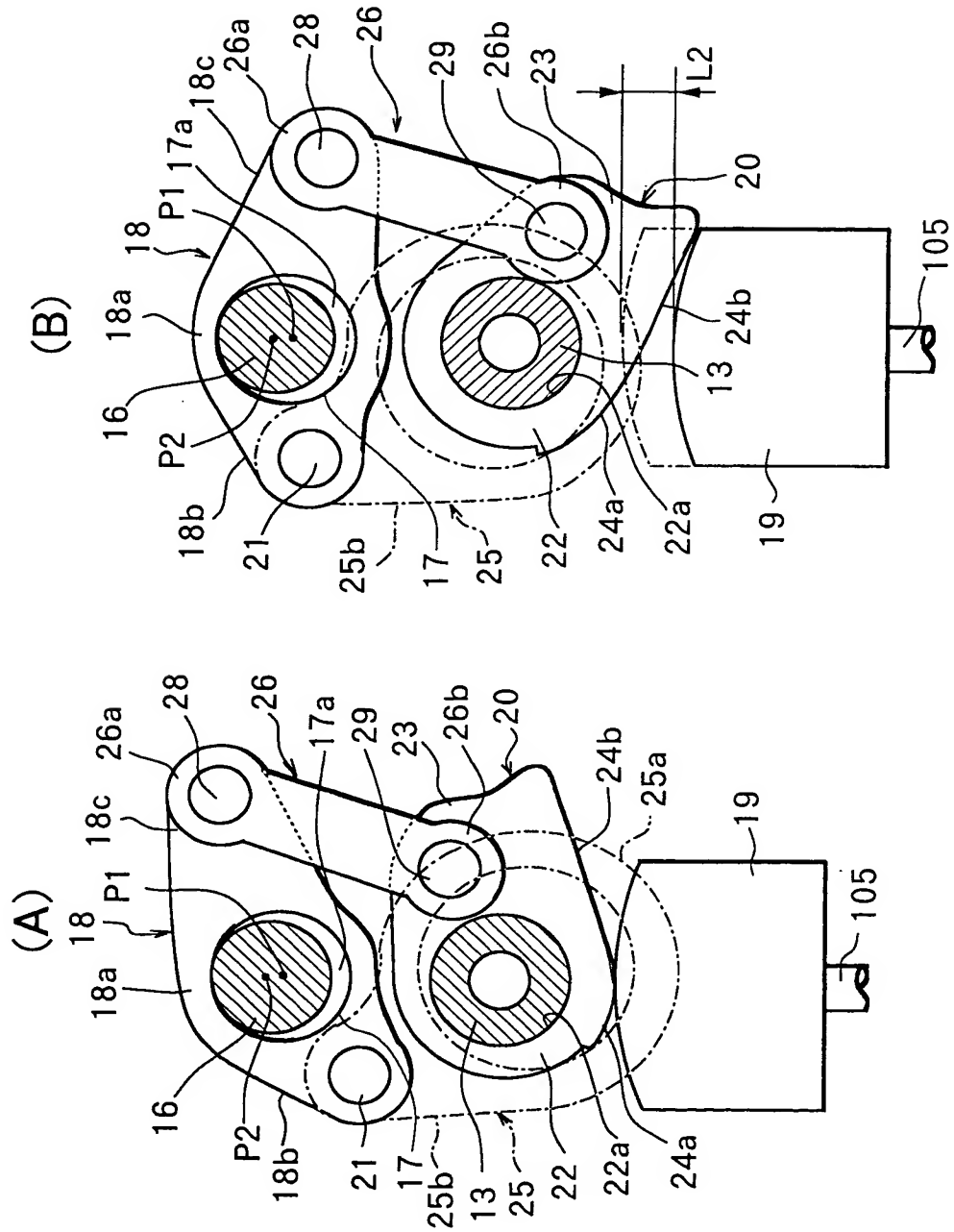


FIG.8

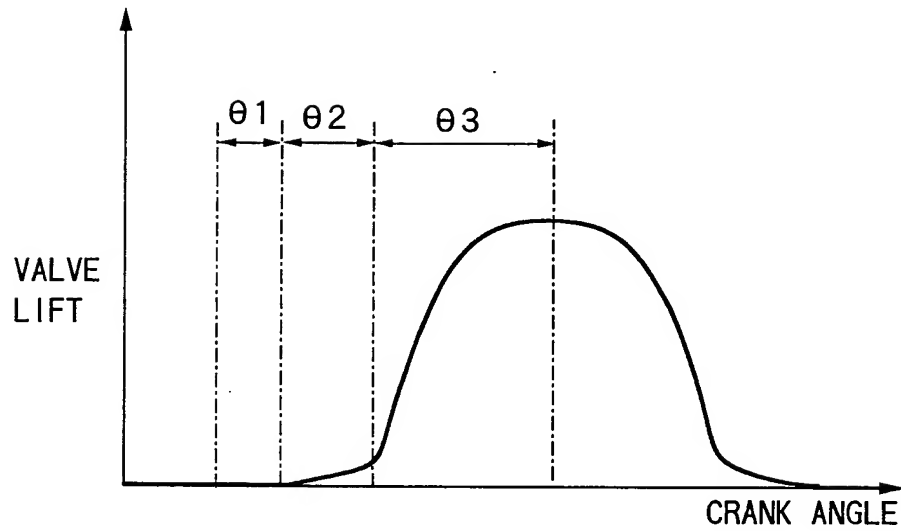


FIG.9

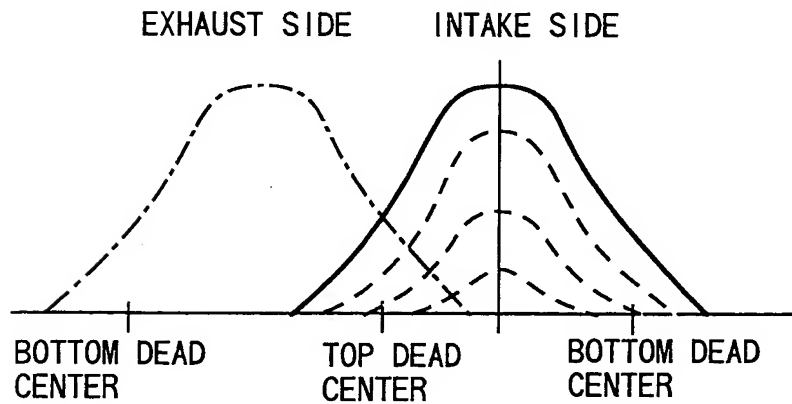
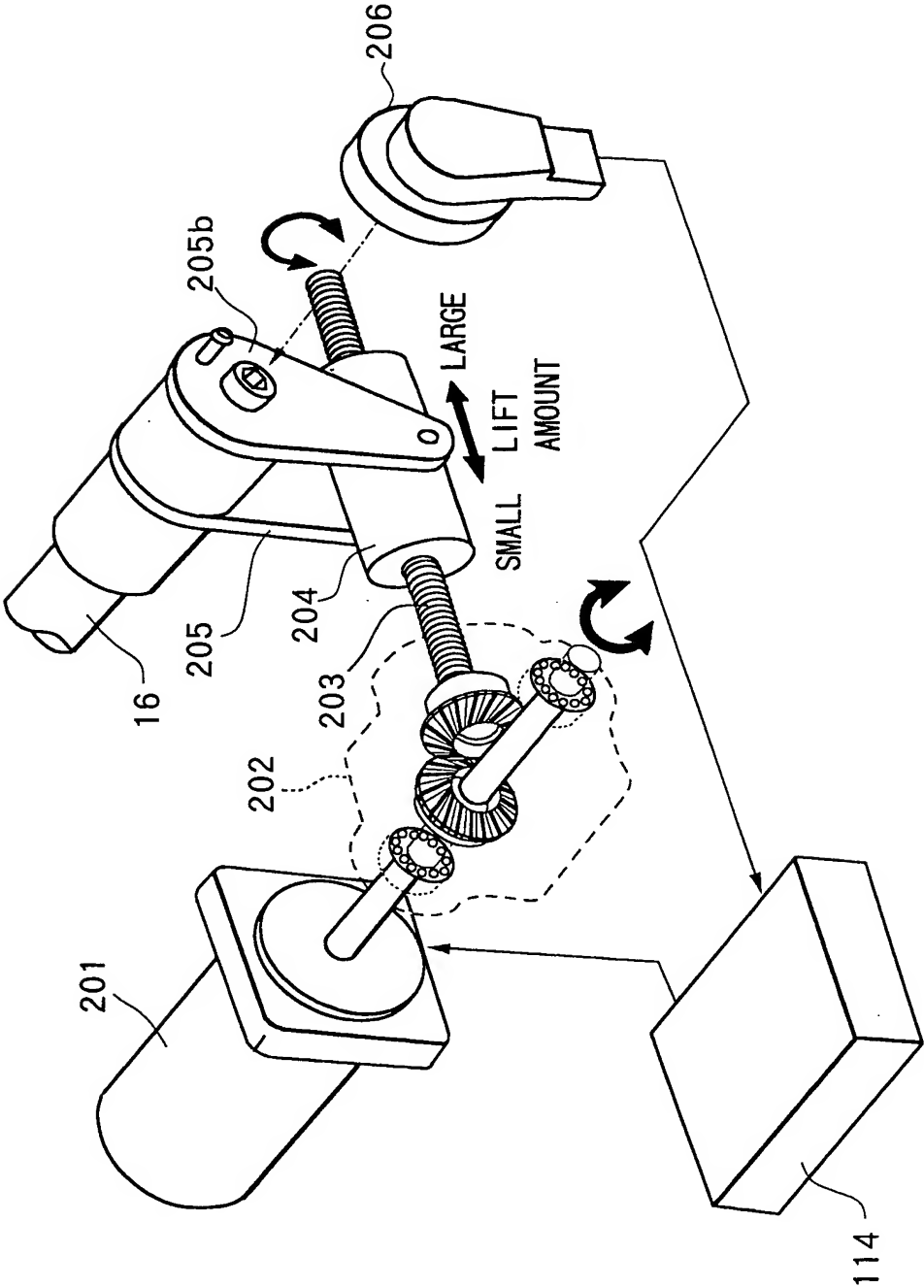




FIG.10



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FIG.11

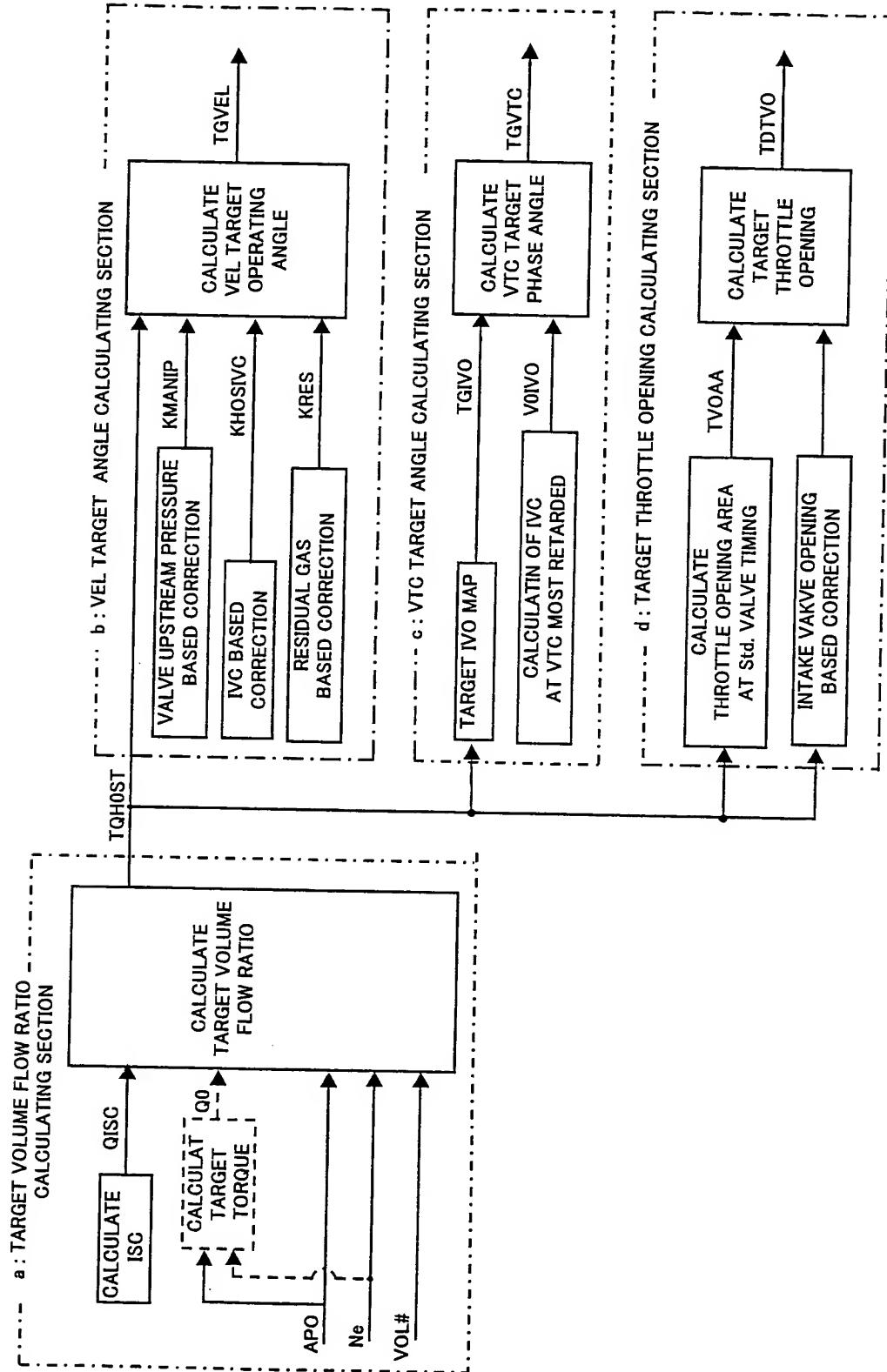
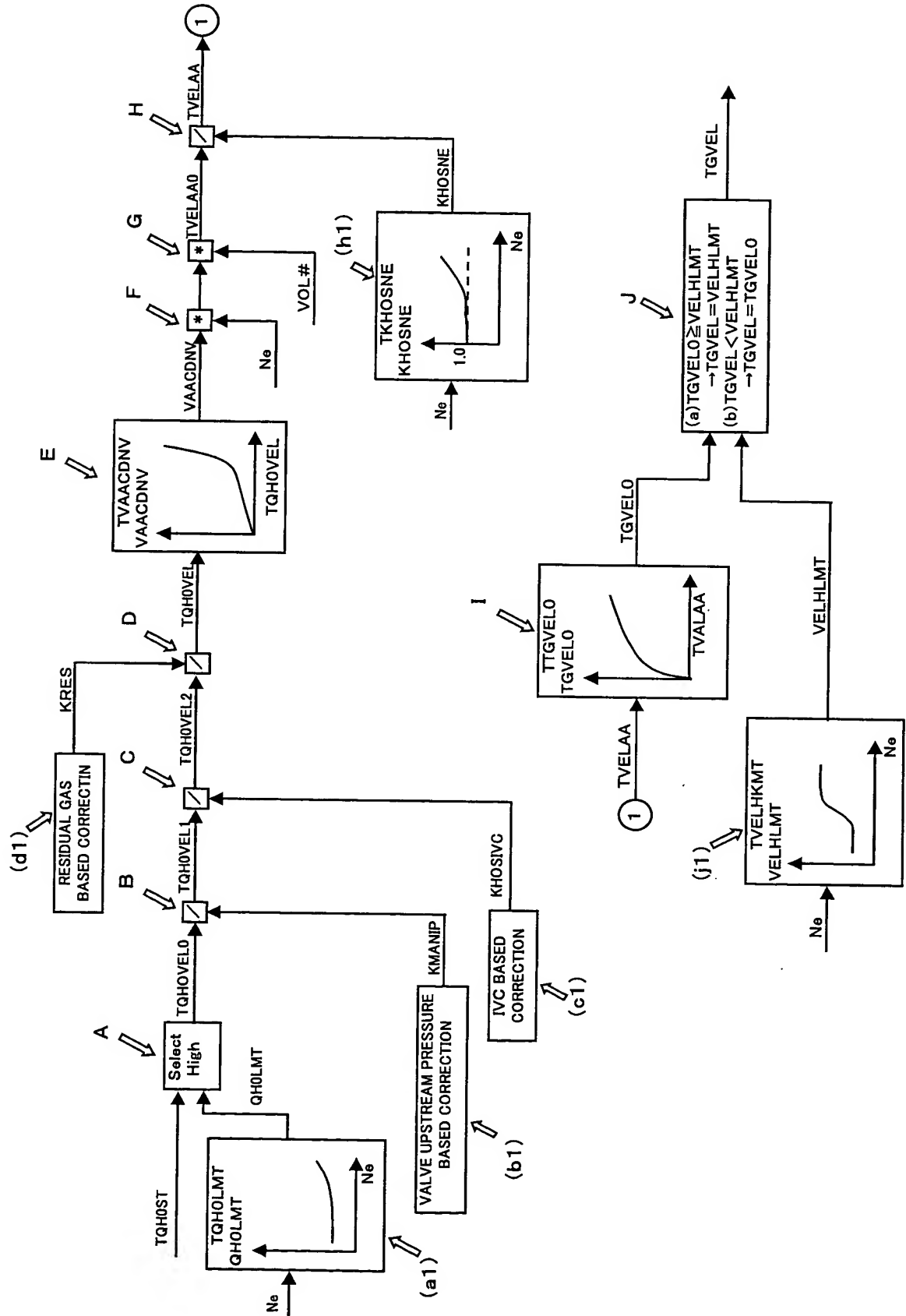


FIG.12

(b-1) SETTING OF VEL TARGET OPERATING ANGLE "TGVEL"



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FIG.13

(b-2) SETTING OF VALVE UPSTREAM PRESSURE BASED CORRECTION VALUE "KMANIP"

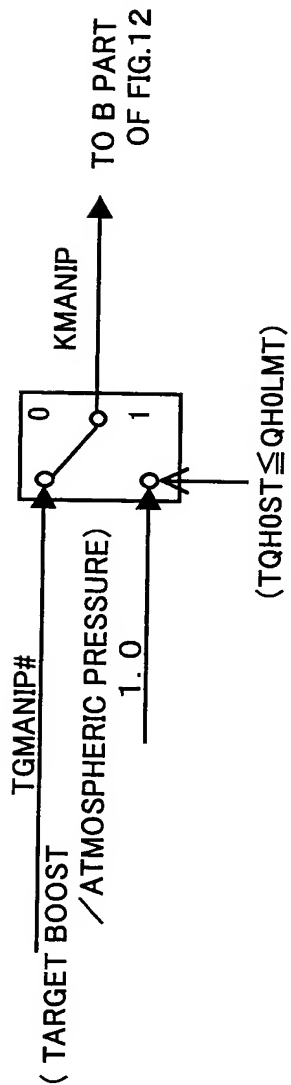
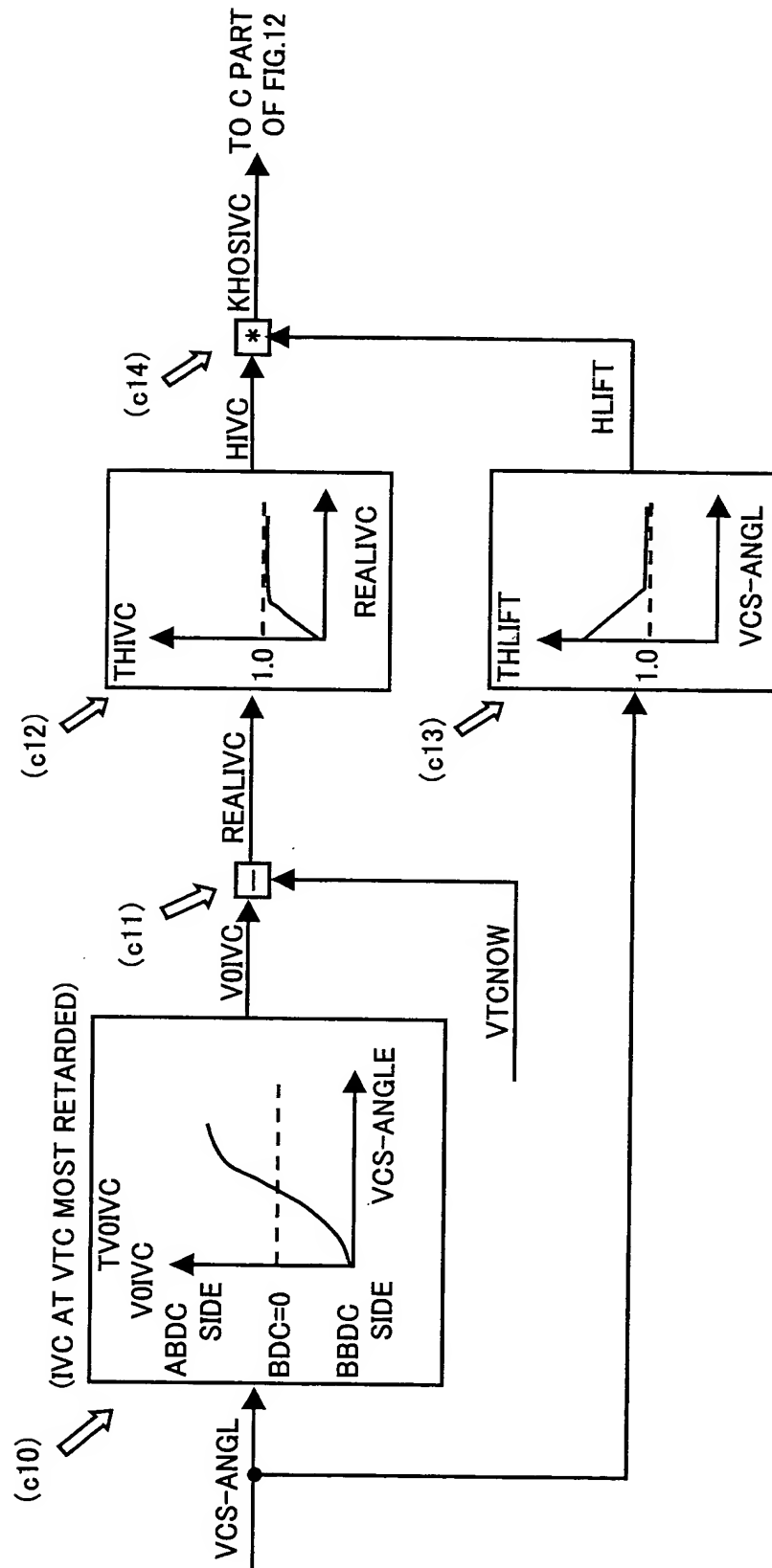


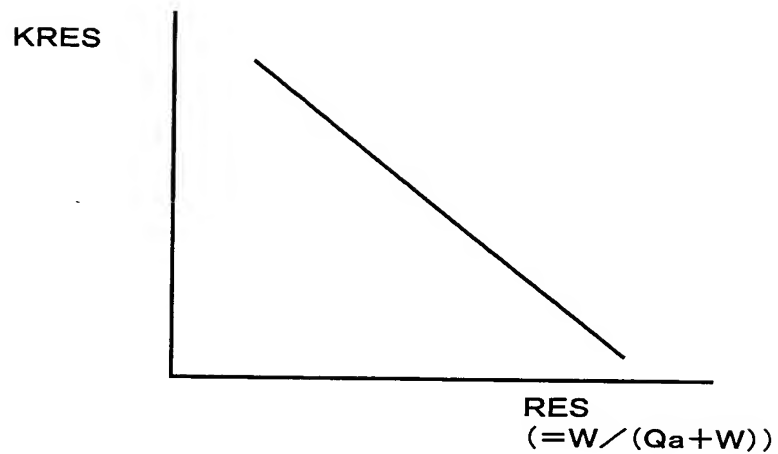
FIG.14

(b-3) CALCULATION OF VALVE TIMING BASED CORRECTION VALUE "KHOSIVC"



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FIG.15



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FIG.16

(c) SETTING OF VTC TARGET (PHASE) ANGLE "TGVTC"

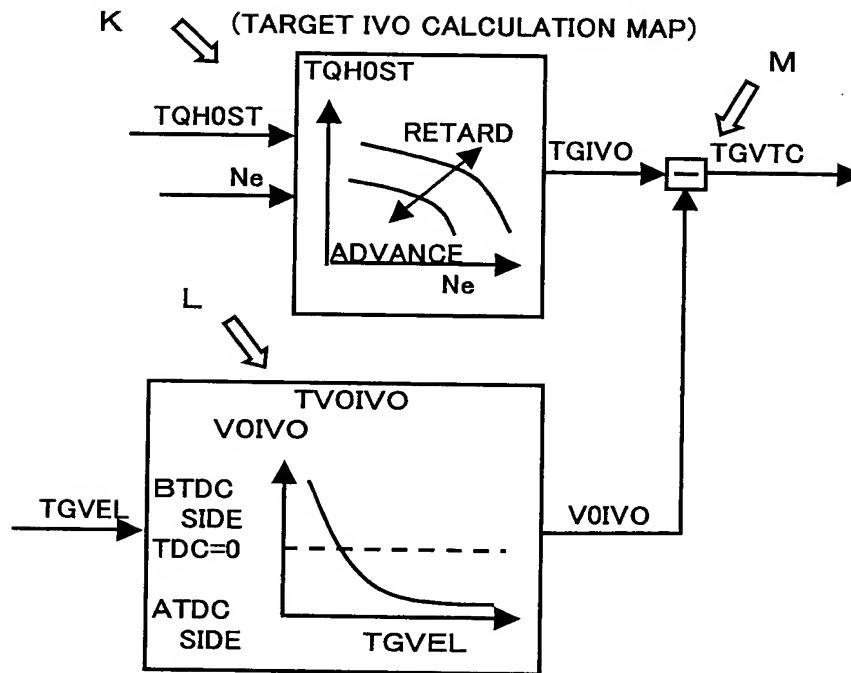
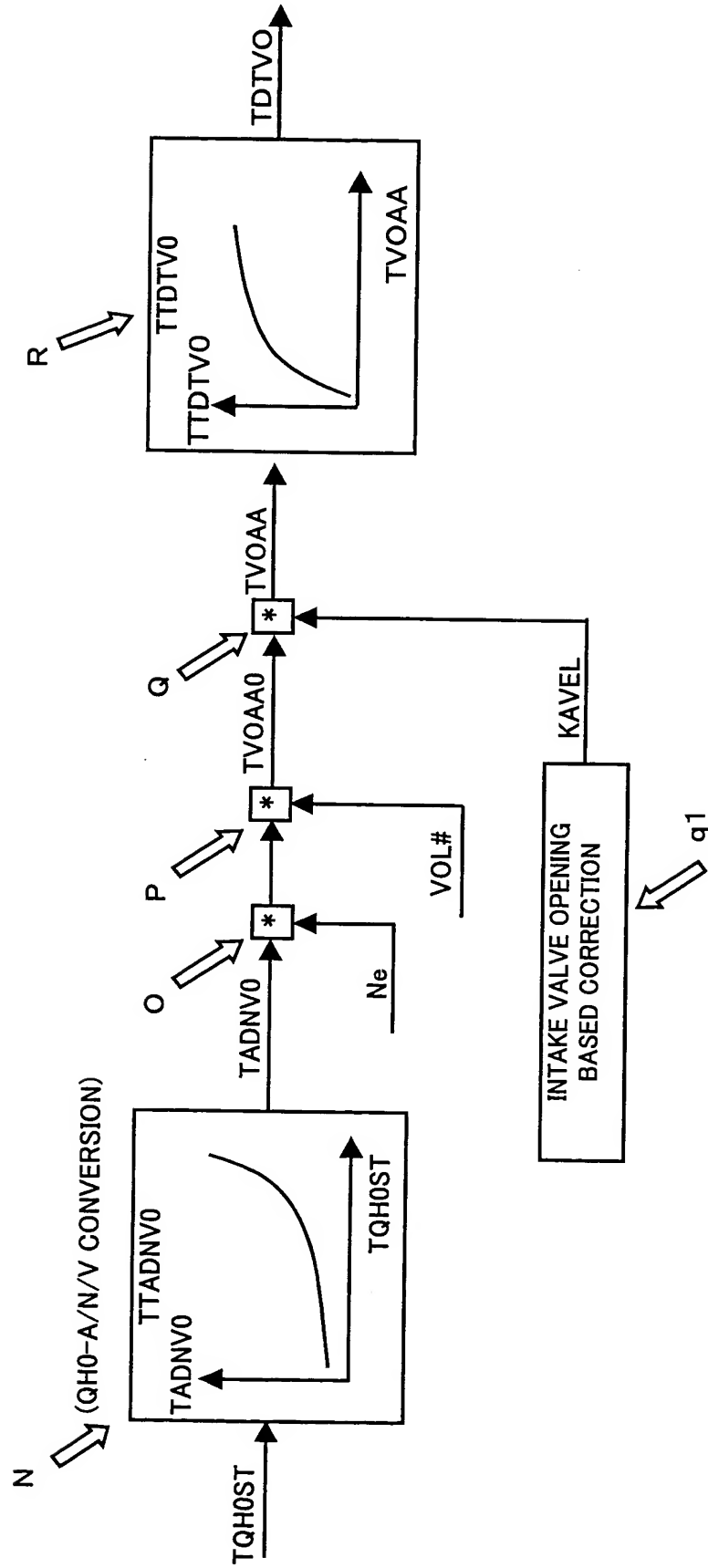


FIG.17

(d-1) SETTING OF TARGET THROTTLE OPENING "TDTV0"

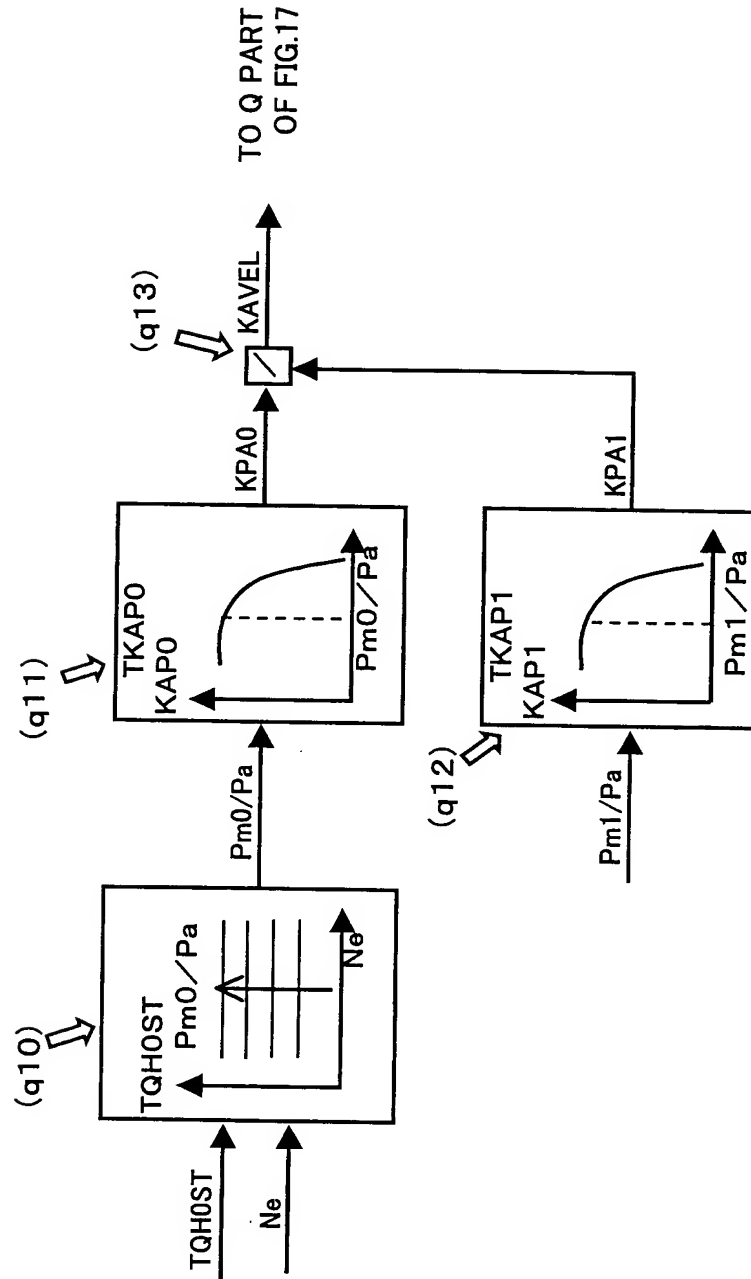




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FIG.18

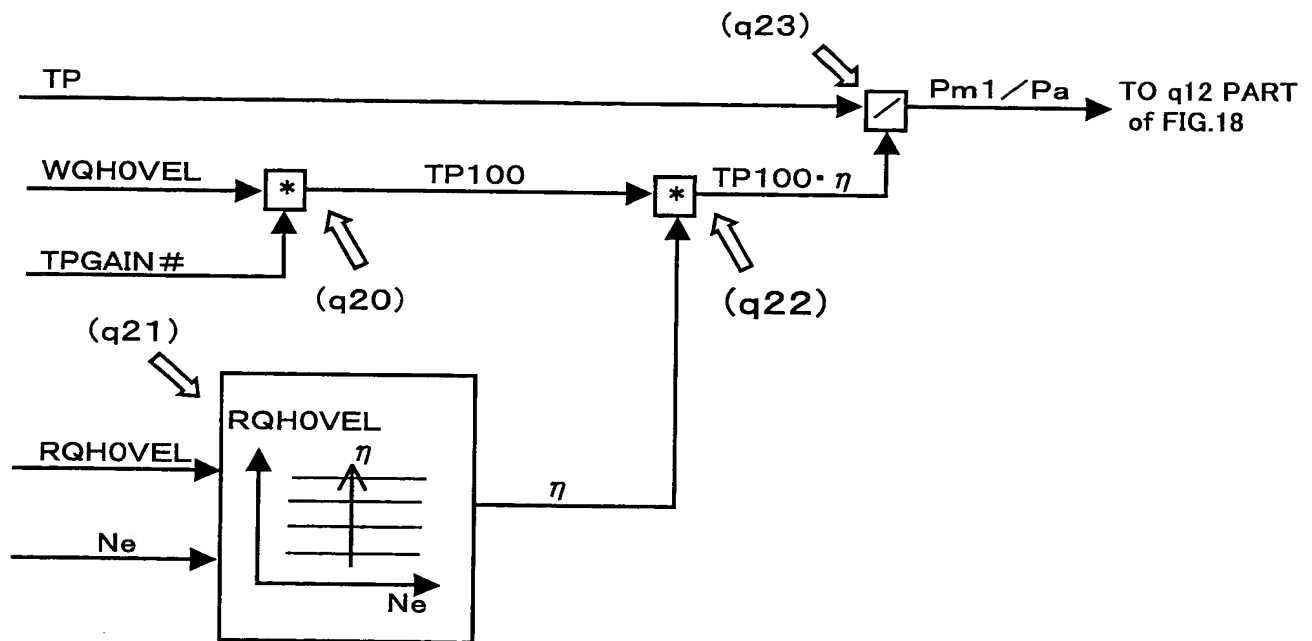
(d-2) CALCULATION OF INTAKE VALVE OPENING BASED CORRECTION VALUE "KAVEL"



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FIG.19

(d-3) CALCULATION OF PRESSURE RATIO( $P_{m1}/P_a$ )  
AT THE TIME WHEN VEL OPERATES



(d-4) CALCULATION OF RATIO "WQH0VEL" , "RQH0VEL" OF VOLUME FLOW PASSED THROUGH INTAKE VALVE

